

PATENT ATTY. DOCKET NO.: SHIM1100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Asakawa and Hasegawa

Art Unit:

1636

Application No.:

09/762,641

Examiner

David Guzo

Filed:

July 20, 2001

RNA VIRUS VECTOR WITH CONTACT INFILTRATION

CAPABILITY

RECEIVED

Mail Stop Sequence

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 AUG 1 8 2002

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RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

In response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures mailed June 17, 2003, Applicants provide herewith a computer readable and a paper copy of the Substitute Sequence Listing in accordance with 37 C.F.R. § 1.821 et seq. Entry of the amendments is respectfully requested.

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on this date,

July 17, 2003 , in an envelope addressed to: MS Sequence Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450.

Mikhail Bayley

Name of Berson Manner Paper

July 17, 2003

Signature Date